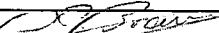
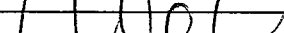
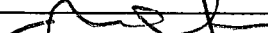


ENGINEERING CHANGE NOTIC. NO.				01864		SHEET		OF 1		
DWG NO. 41228-000-003		REV: D	PREPARED BY D.BARKER	DATE: 06/11/07		EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.				
DWG TITLE: FUEL TANK INSTALLATION										
APPROVED BY:	ENGR. 		MFG. 		QC. 		EFF:		NEXT ORDER	
REASON: REVISED AIRFRAME WIRE ROUTING PART NUMBER										

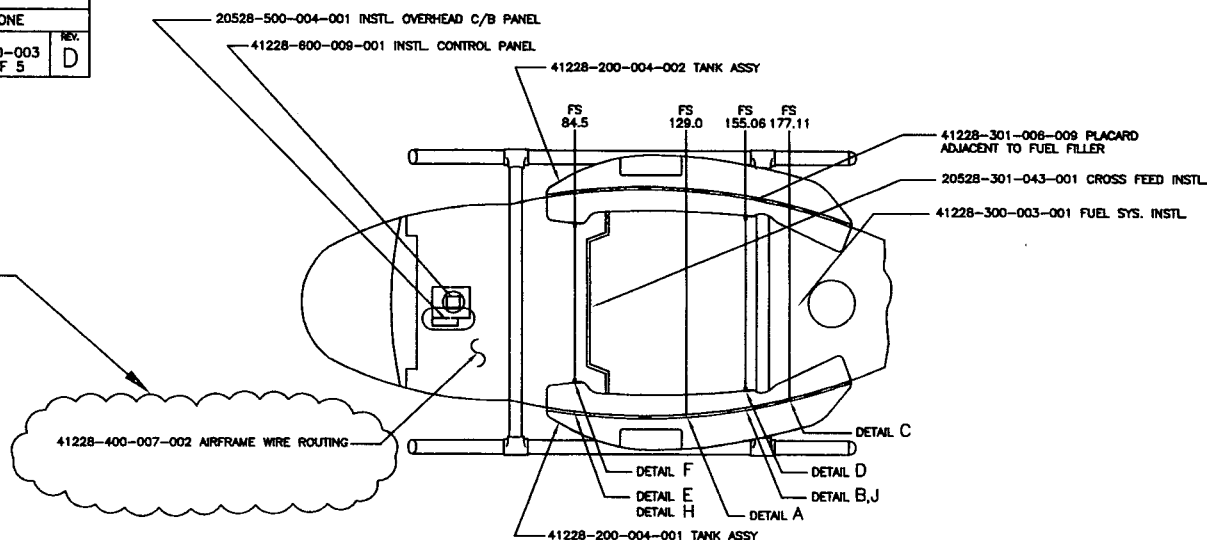
4	41228-202-052-001	LINK							
1	20528-301-043-001	INSTL. CROSS FEED LINE							
1	41228-400-007-002	AUX FUEL AIRFRAME WIRE ROUTING							
1	41228-600-003-001	INSTL. CONTROL PANEL							
1	20528-500-004-001	INSTL. OVERHEAD C/B PANEL							
1	41228-300-003-001	FUEL SYS. INSTL.							
1	41228-200-004-002	TANK ASSY							
1	41228-200-004-001	TANK ASSY							
	41228-000-003-001	INSTL.							
	-001	PART NO.	NAME	STOCK SIZE	MATERIAL	MATL SPEC	ZONE		
NO. REQ'D PER ASSY		LIST OF MATERIAL							
41228-3000		UNLESS OTHERWISE SPECIFIED X&=1 XXX&=10 ANGLES &=1/2"	QUANTITY T. HARVILLE 7/14/93	TITLE FUEL TANK INSTALLATION		DWG. NO. 41228-000-003 SHT 1 OF 5			
NEXT ASSEMBLY		PREP ERA	CHKD ERA	DWG. SIZE C		SCALE NONE		REV. D	
		Era Aviation, Inc.							

IS

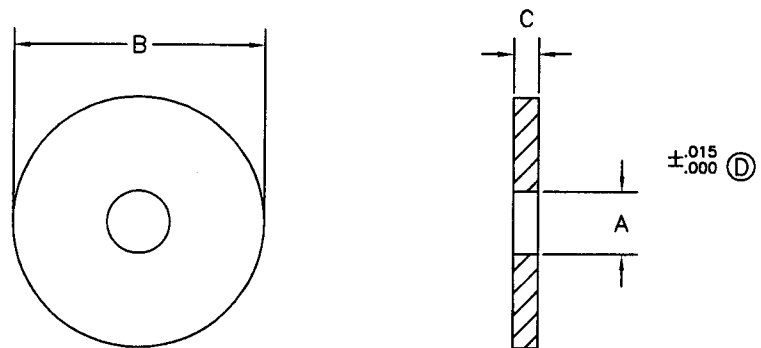
CONTROL COPY
ISSUED DATE
JUN 13 2007

SHEET 3 TOP VIEW IS:

SHEET 3 TOP VIEW IS:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL/SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> FMS <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR
				DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	



P/N	DIA. A	DIA. B	C
41228-202-132-001	.312	1.000	.100
41228-202-132-003	.312	1.000	.063
41228-202-132-005	.312	1.000	.032
41228-202-132-007	.312	1.000	.016
41228-202-132-009	.250	1.000	.100
41228-202-132-011	.250	1.000	.063
41228-202-132-013	.250	1.000	.032
41228-202-132-015	.250	1.000	.016

TABLE 1 ⓐ

C: MATING PARTS OF THE CONNECTION SHALL BE LESS THAN 1 OHM WHEN DRY. REF. MIL-B-5087B PARA 3.3.6.

B: APPLY A CONVERSION COATING PER MIL-C-5541E CLASS 1A ON EXPOSED AREA.

A: WIRE BRUSH EACH SIDE OF A/C HARD POINTS AT UPPER STA'S 84.5, 129.0 & 155.06 & LOWER STA'S 84.5 & 155.06.

ESTABLISH ELECTRICAL BONDING PER MIL-B-5087 CLASS L PARA 3.3.4.3 AND CLASS R PARA 3.3.5.1. ⓑ

C: ADDITIONAL SHIMS MAY BE ADDED TO OUTSIDE OF HARD POINTS TO PROVIDE PROPER THREAD CLEARANCE FOR MS20365-428 NUT.

B: ROTATE TANK UNDER HELICOPTER AND PUSH TANK ASSEMBLY AFT TO STRIKE THE UPPER LUGS AT STA. 84.5, 129.0 & 155.06 IF A GAP BETWEEN THE TANK LUG AND HARD POINT EXCEED .016 SHIM THE GAP WITH SHIMS SELECTED FROM TABLE 1 SHOWN ABOVE.

A: TEMPORARILY INSTALL NAS1304 BOLT AT STA. 129 & AN4-16A AT STA. 155 UPPER LUGS ONLY. ⓑⓐ

NOTES:

REVISION				APPROVED	DATE
LETTER	DFTSMAN	DATE	DESCRIPTION		
A	TAH	8/31/93	ADDED NOTE 2, REMOVED WASHER P/N 41228-203-046-001 ON DETAIL H. REMOVED CROSS FEED INST. FORM L/M.		
ⓑ	TAH	1/3/94	ADDED TABLE 1, REVISED NOTE 1. ADDED LOCK WASHER TO F/D & L/M		
ⓒ	TAH	2/17/94	REVISED NOTES 1 & 2. REMOVED LOCK WASHER FROM L/M & DETAIL A,B,E & H. REVISED DETAIL G & C.		
ⓓ	DNN	12/11/95	INCORPORATED E.O.'S D-1 THRU D-5.	D. MARWILL 265-96-12 P. SCHWARTZ 96.014 96.015 96.016	2/27/96 3/21/96 3/21/96 3/21/96

UNINCORPORATED ECN(s)

01864,

					2	NAS1304-20	BOLT				
					2	AN5-13A	BOLT				
					2	AN4-13A	BOLT				
					8	AN3-12A	BOLT				
					1	41228-202-099-002	COVER				
					1	41228-202-099-001	COVER				
					1	41228-202-098-002	COVER				
					1	41228-202-098-001	COVER				
					1	41228-202-097-002	FAIRING				
					1	41228-202-097-001	FAIRING				
					1	41228-202-096-002	FAIRING				
					1	41228-202-096-001	FAIRING				
					4	41228-202-052-009	LINK				
					4	41228-202-052-001	LINK				
					1	20528-301-043-001	INSTL. CROSS FEED LINE				
					1	41228-400-007-001	AUX FUEL AIRFRAME WIRE ROUTING				
					1	41228-600-003-001	INSTL. CONTROL PANEL				
					1	20528-500-004-001	INSTL. OVERHEAD C/B PANEL				
					1	41228-300-003-001	FUEL SYS. INSTL.				
					1	41228-200-004-002	TANK ASSY				
					1	41228-200-004-001	TANK ASSY				
					1	41228-000-003-001	INSTL.				
					-001	PART NO.	NAME	STOCK SIZE	MATERIAL	MATL.SPEC	ZONE

NO. REQ'D PER ASSY

LIST OF MATERIAL

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41228-3000

NEXT ASSEMBLY

UNLESS OTHERWISE SPECIFIED
X.±.1
XX.±.03
XXX.±.010
ANGLES
±.1/2"

DFTSMN
CHECK
STRESS
PROJ. ENGR.
HEAT TREAT
FINISH

T. HARVILLE

7/14/93

TITLE

FUEL TANK
INSTALLATION

DWG. SIZE

C

SCALE

NONE

DWG. NO.

41228-000-003
SHT 1 OF 5

REV.

D



Era Aviation, Inc.

					24	MS20365-1032	NUT	ALT. P/N OF MS21044N5 ①	
					2	MS20365-524	NUT	ALT. P/N OF MS21044N4 ①	
					4	MS20365-428	NUT	ALT. P/N OF MS21044N3 ①	
					16	AN960PD516	WASHER		
					32	AN960-10	WASHER	ALT. P/N OF NAS1149F0365-1032 ①	
					36	AN960PD416	WASHER		
					16	AN960PD-10	WASHER		
					16	MS27039-1-11	SCREW		
					6	41228-202-132-015	SHIM		
					6	41228-202-132-013	SHIM		
					6	41228-202-132-011	SHIM		
					6	41228-202-132-009	SHIM		
					4	41228-202-132-007	SHIM		
					4	41228-202-132-005	SHIM		
					4	41228-202-132-003	SHIM		
					4	41228-202-132-001	SHIM		
					-001	PART NO.	NAME		

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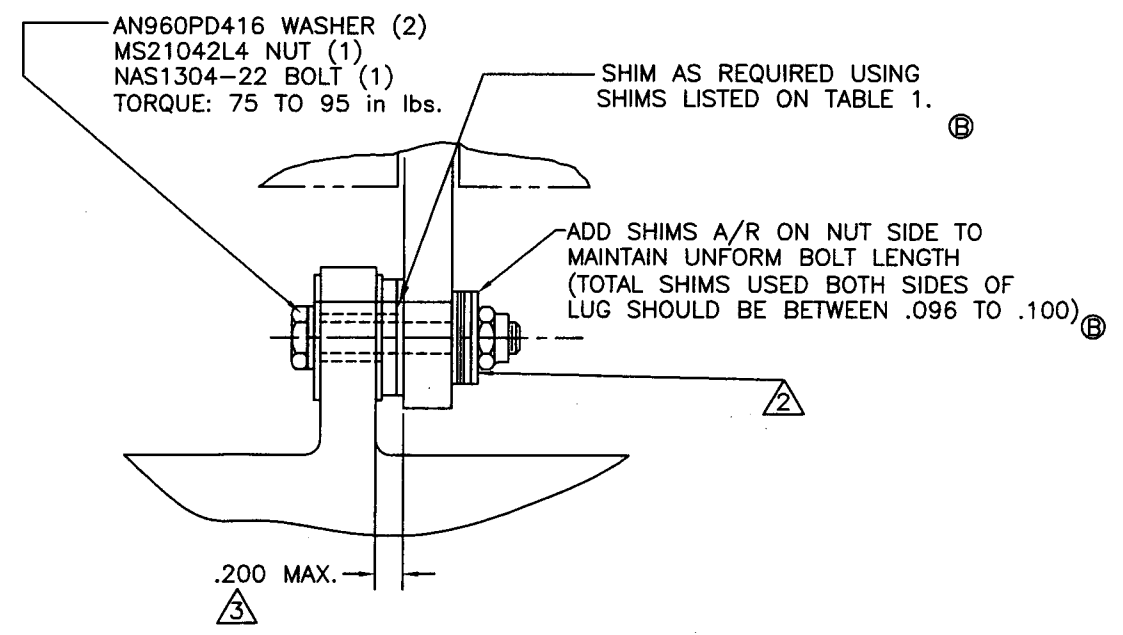
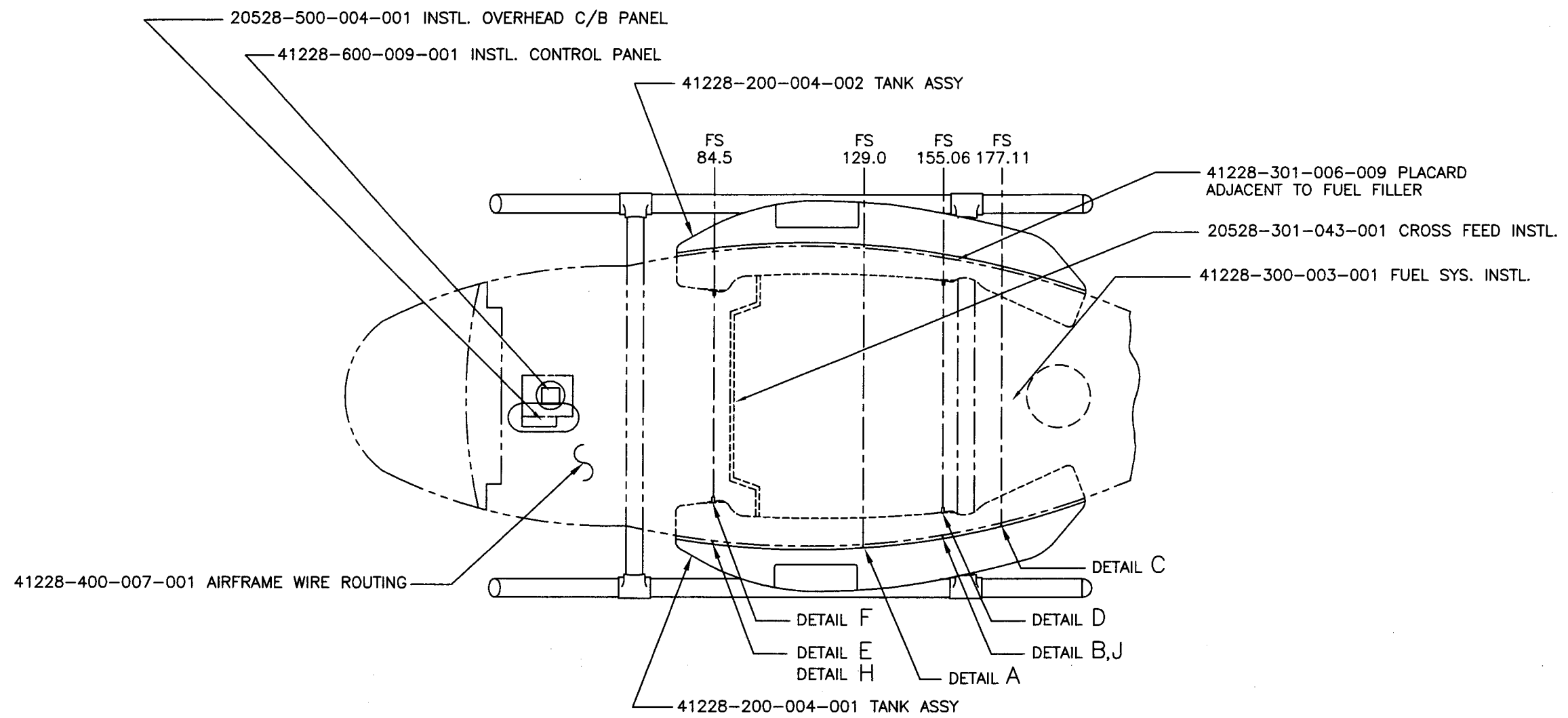
 Era Aviation, Inc.

TITLE
 FUEL TANK INSTALLATION

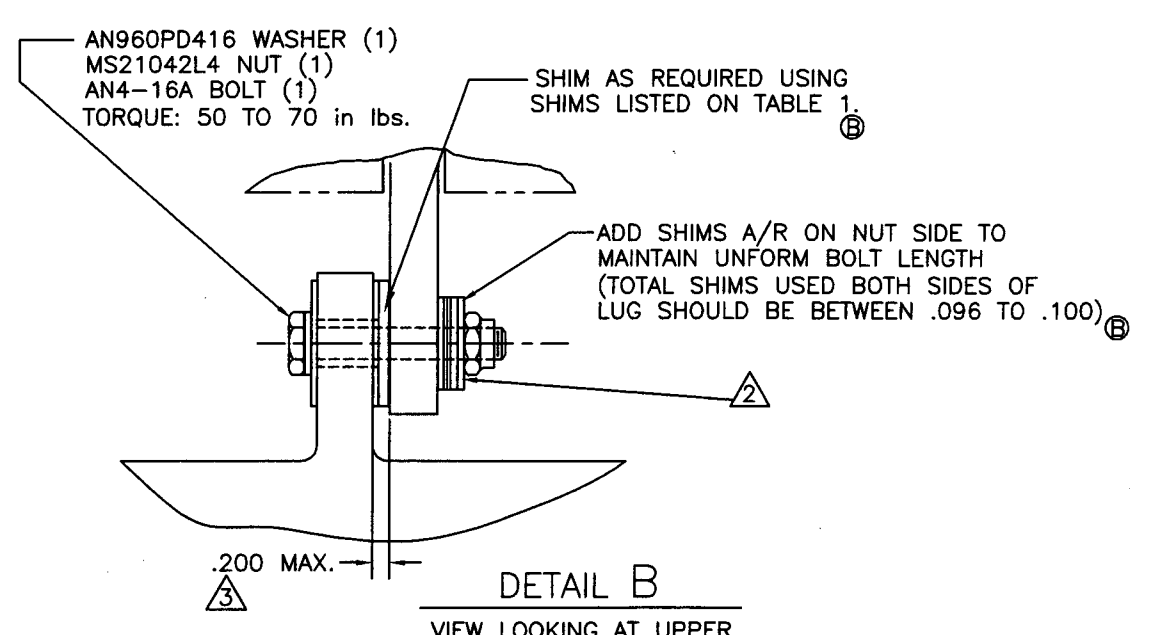
SIZE
 C

DWG. NO.
 41228-000-003
 SHT 2 OF 5

REV.
 D



DETAIL A
VIEW LOOKING AT UPPER
CENTER ATTACH FITTING
FS 129.00
(SEE DETAIL G)

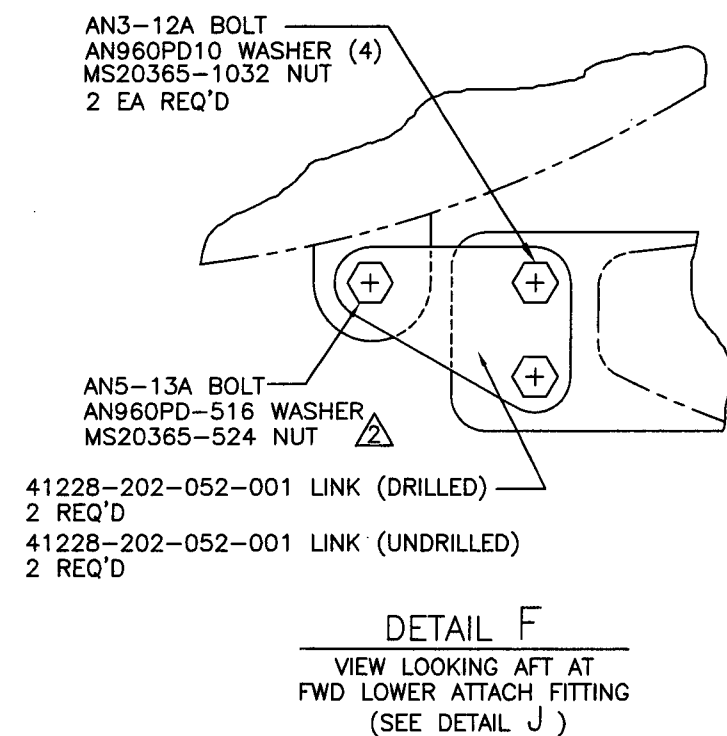
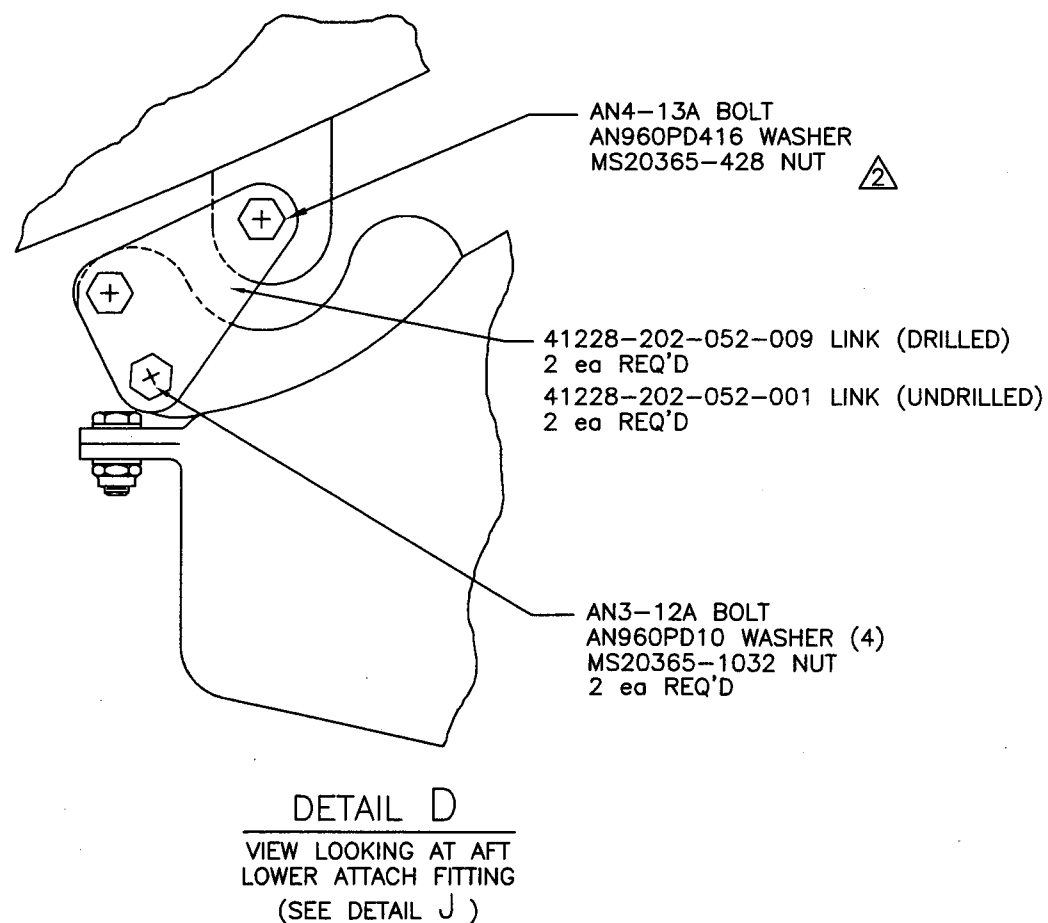
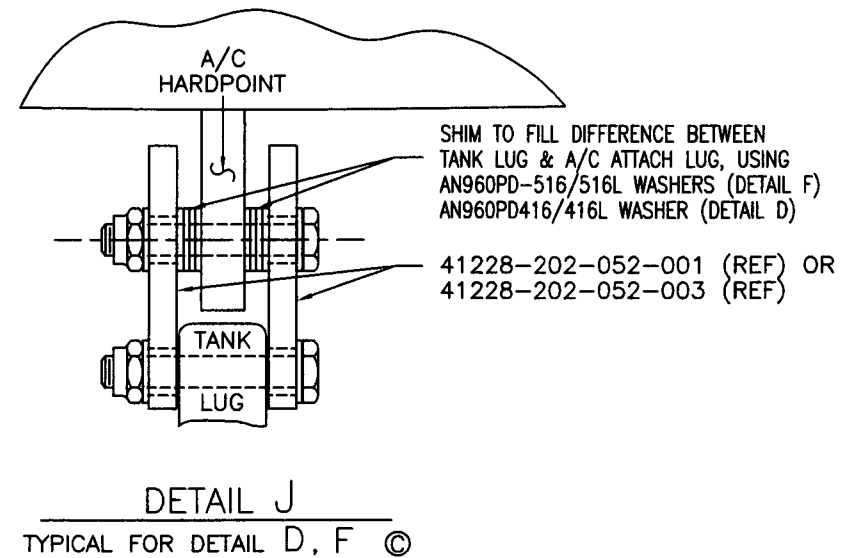
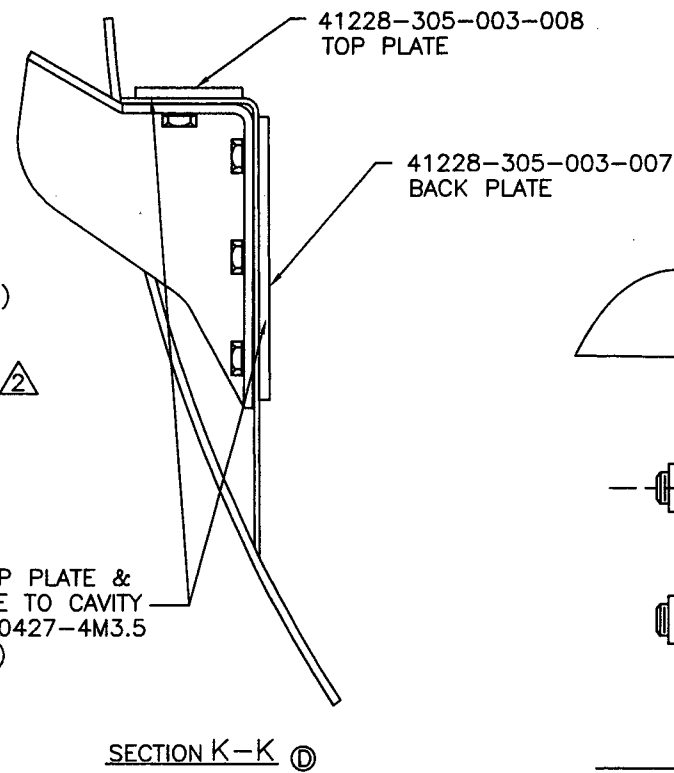
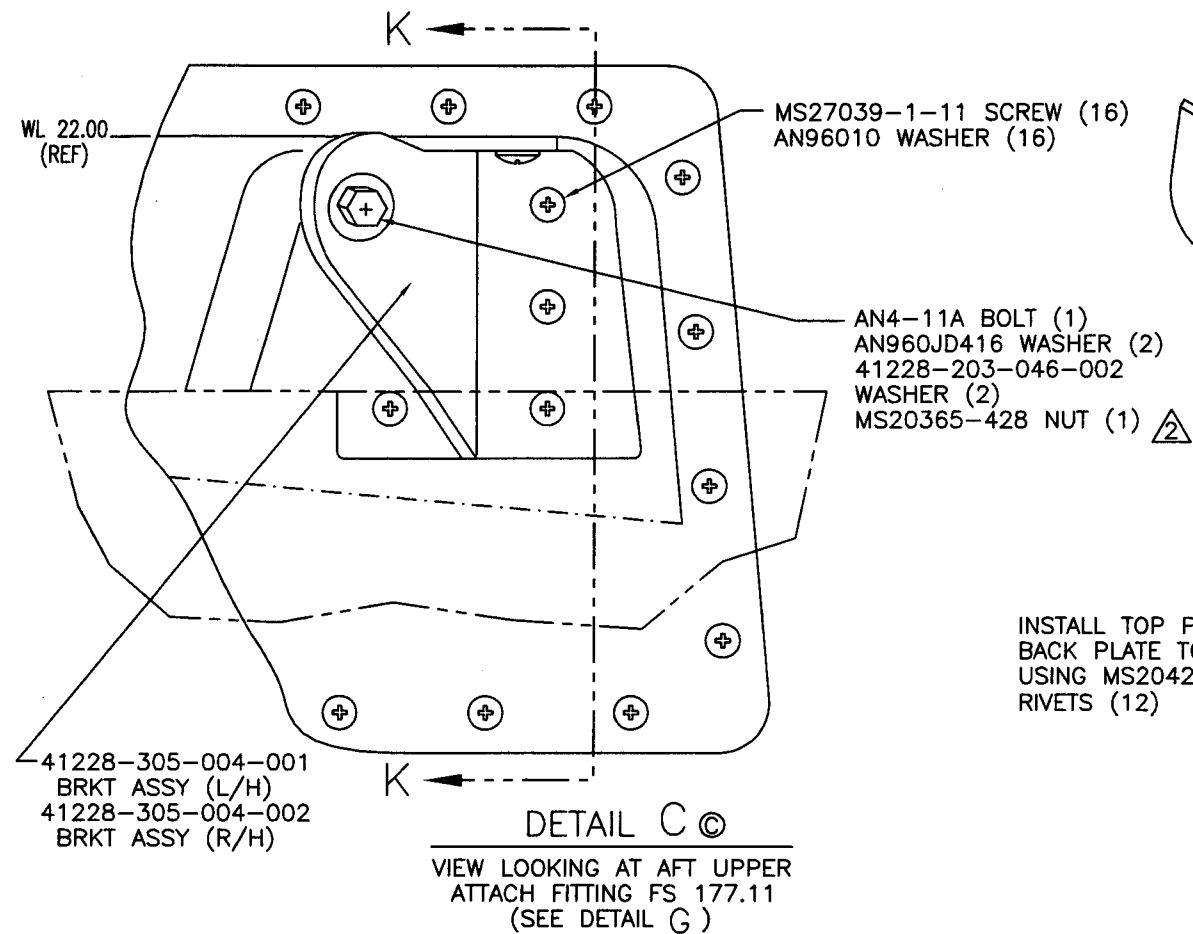


DETAIL B
VIEW LOOKING AT UPPER
ATTACH FITTING FS 155.06
(SEE DETAIL G)

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E Era Aviation, Inc.

TITLE	SIZE	DWG. NO.	REV.
FUEL TANK INSTALLATION	C	41228-000-003 SHT 3 OF 5	D



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TITLE

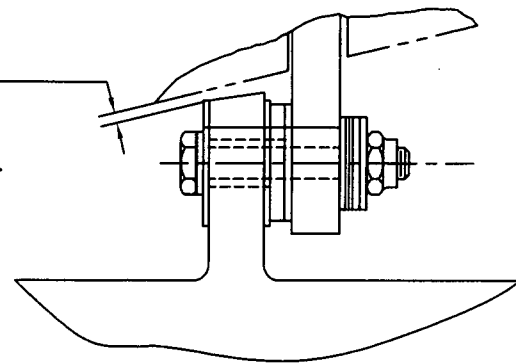
FUEL TANK
INSTALLATION

SIZE
C

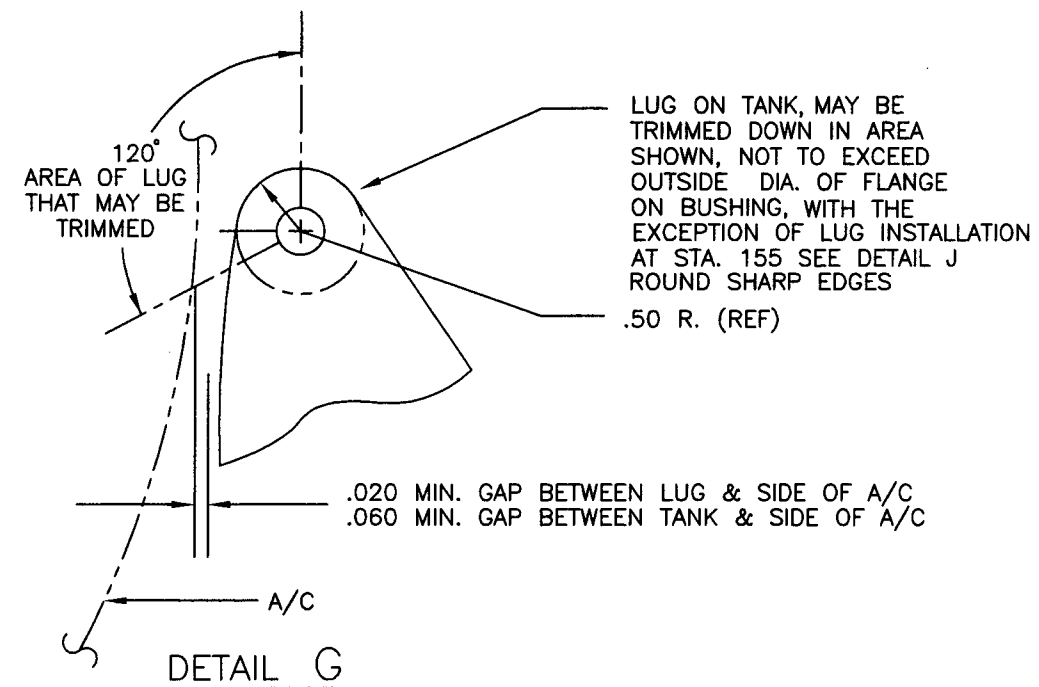
DWG. NO.
41228-000-003
SHT 4 OF 5

REV.
D

LUG ON TANK MAY BE TRIMMED DOWN IN AREA SHOWN, TO PROVIDE CLEARANCE OF .050 MIN. BETWEEN A/C & TANK LUG.



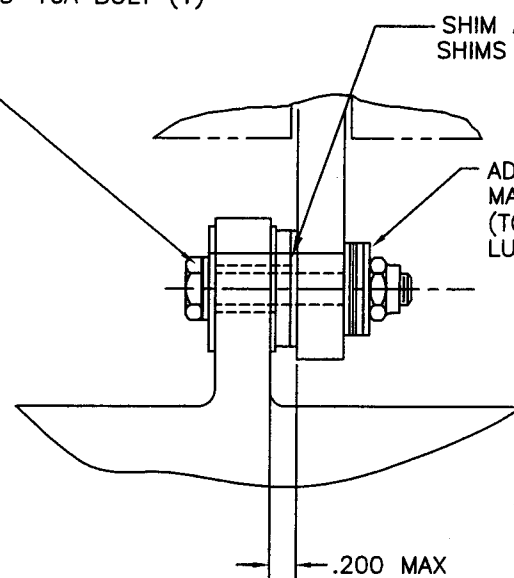
DETAIL J ©
STA. 155.06



AN960PD516 WASHER (AR)
MS21042-5 NUT (1)
AN5-16A BOLT (1)

SHIM AS REQUIRED USING SHIMS LISTED ON TABLE 1. (B)

ADD SHIMS A/R ON NUT SIDE TO MAINTAIN UNIFORM BOLT LENGTH (TOTAL SHIMS USED BOTH SIDES OF LUG SHOULD BE BETWEEN .096 TO .100) (B)

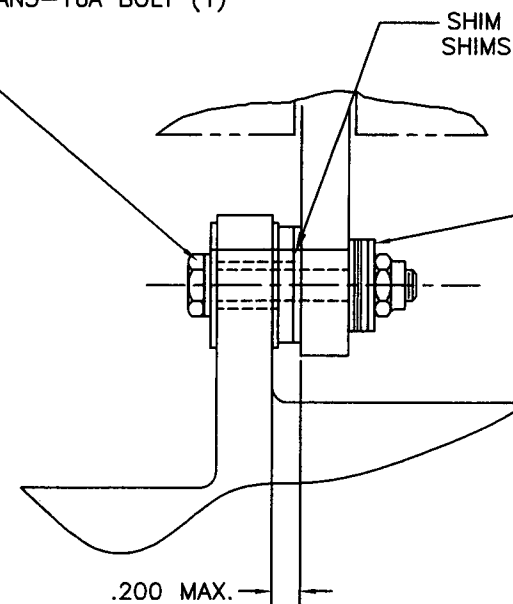


DETAIL E
VIEW LOOKING AT UPPER L/H
FWD ATTACH FITTING,
FS 84.5
(SEE DETAIL G)

AN960PD516 WASHER (AR)
MS21042-5 NUT (1)
AN5-16A BOLT (1)

SHIM AS REQUIRED USING SHIMS LISTED ON TABLE 1. (B)

ADD SHIMS A/R ON NUT SIDE TO MAINTAIN UNIFORM BOLT LENGTH (TOTAL SHIMS USED BOTH SIDES OF LUG SHOULD BE BETWEEN .096 TO .100) (B)



DETAIL H
VIEW LOOKING AT UPPER R/H
FWD ATTACH FITTING
FS 84.5
(SEE DETAIL G)

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Era Aviation, Inc.

TITLE

FUEL TANK
INSTALLATION

SIZE

C

DWG. NO.
41228-000-003
SHT 5 OF 5

REV.

D